10051574-011802

Computer System
1

FIG. 1

20STTO'h/STSOOT

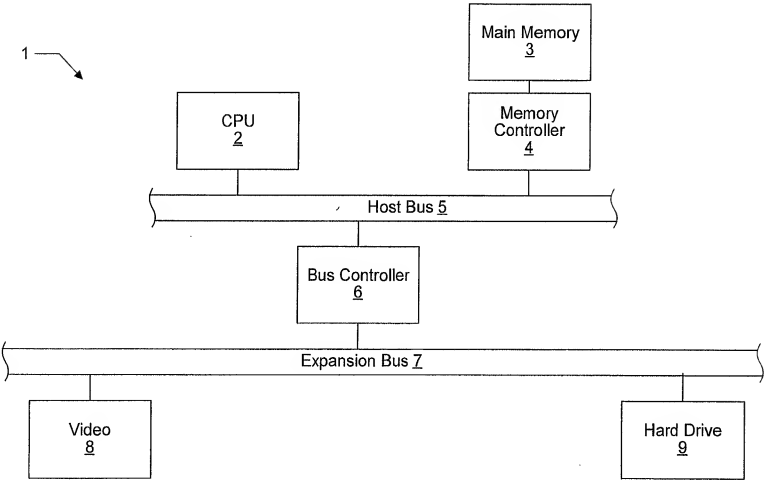


FIG. 2

20070704.0180S

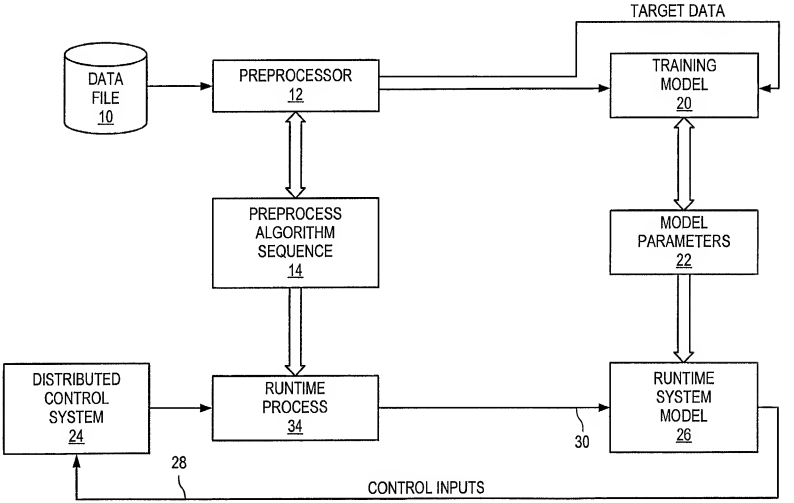


FIG. 3A

20070704.0705001

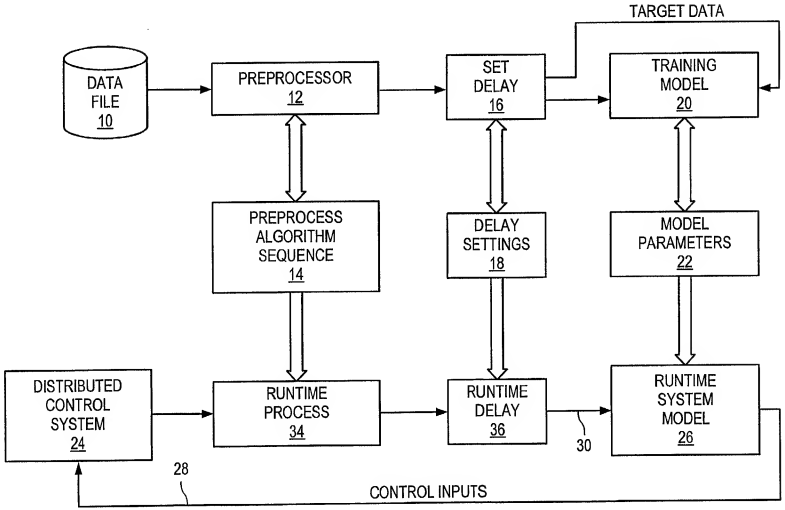


FIG. 3B

20811'h7S1S001

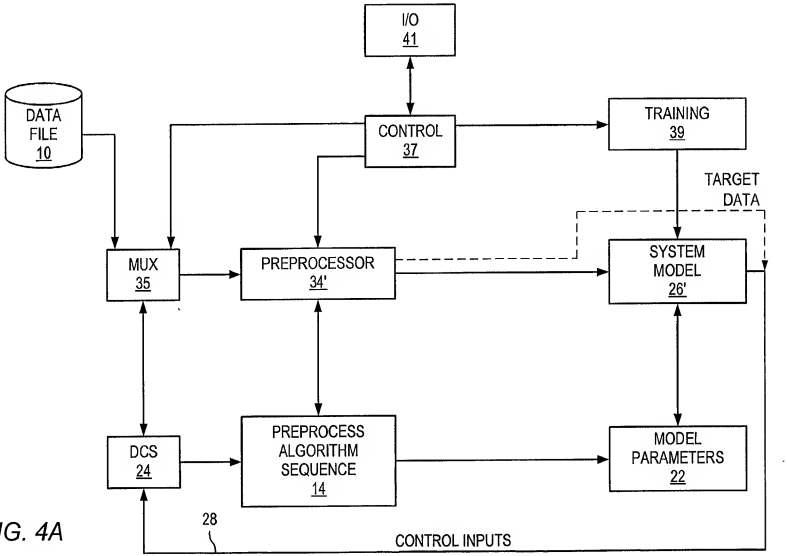


FIG. 4A

20STTO' h7STSOOT

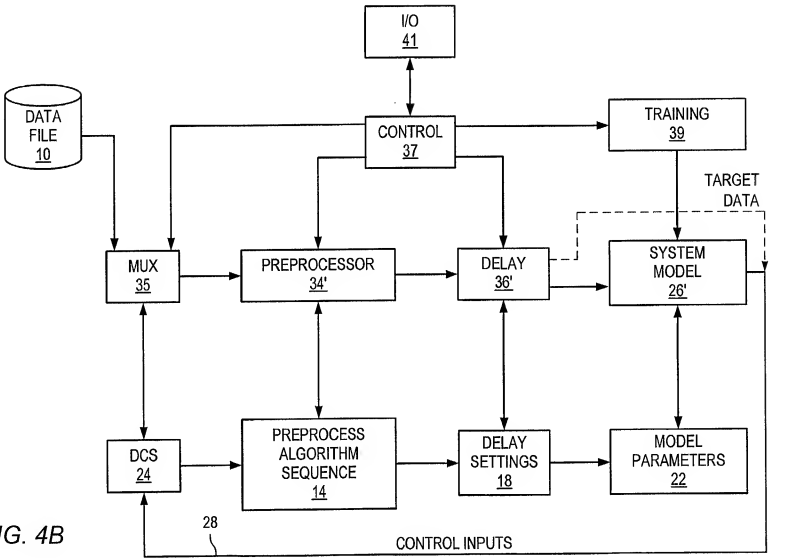


FIG. 4B

20BTTO'h7STSOOT

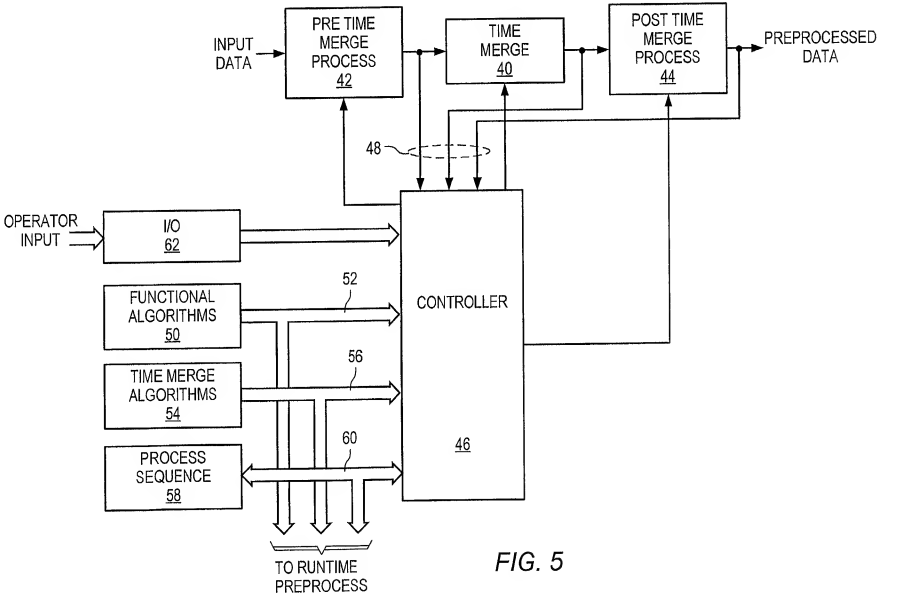


FIG. 5

2687TD.1/5F5OF

FIG. 6

2008-10-07 10:55:04

FIG. 7A

US 2008/0151574 A1

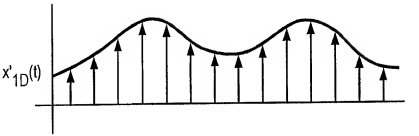


FIG. 7B

20811D*h7S1S00T

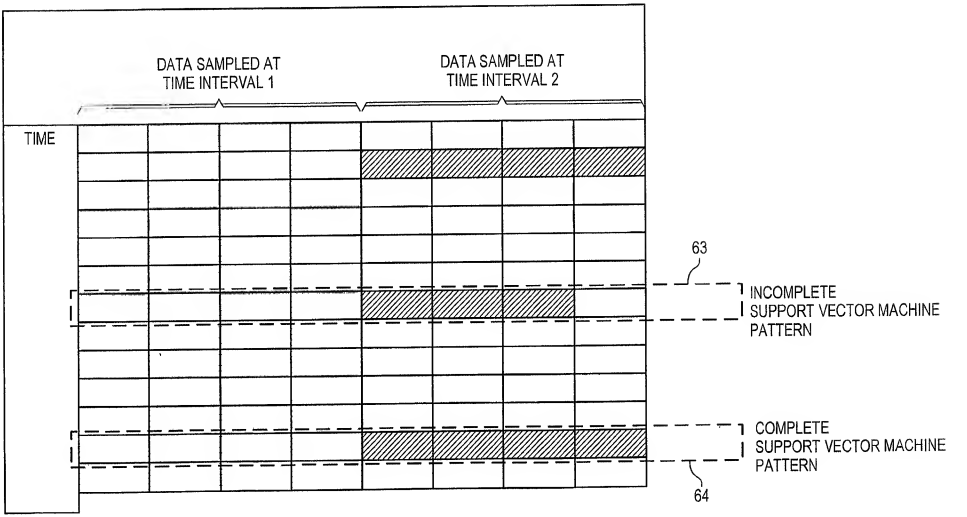


FIG. 8A

20070724.1752

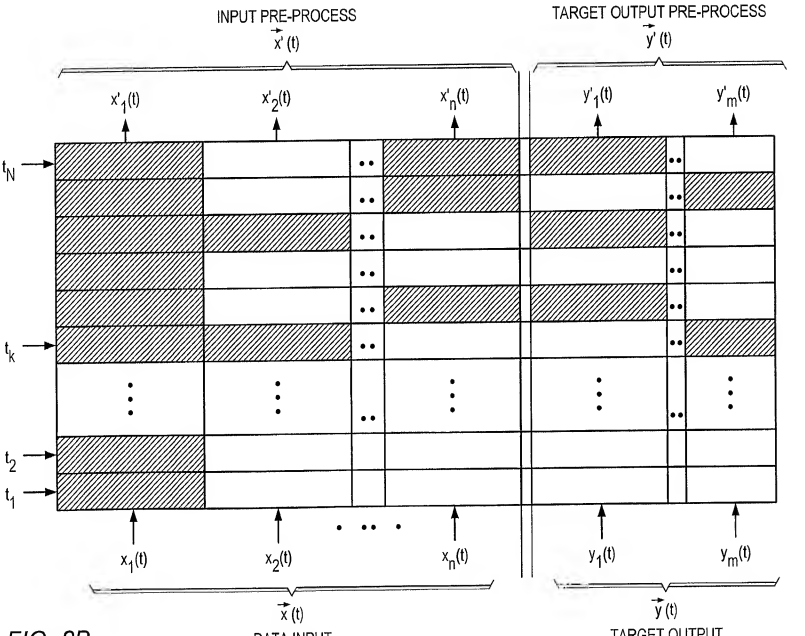
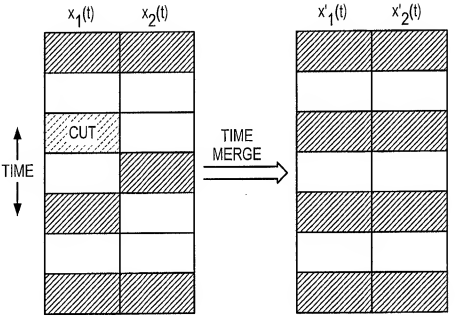


FIG. 8B

FIG. 8C



20070104150001

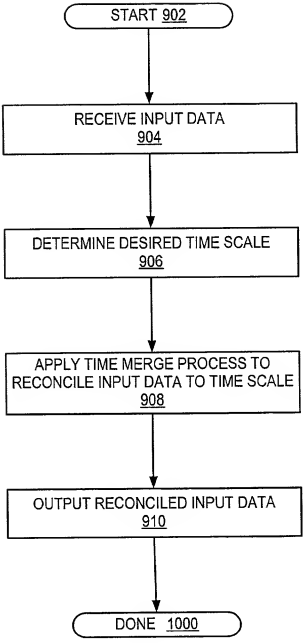


FIG. 9A

20070147500

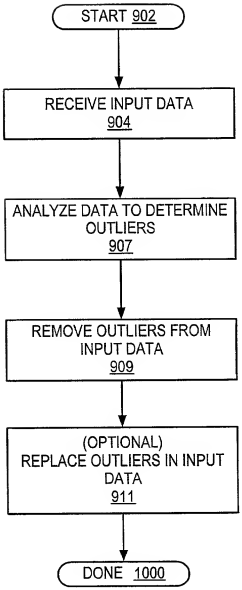


FIG. 9B

20070154.0105

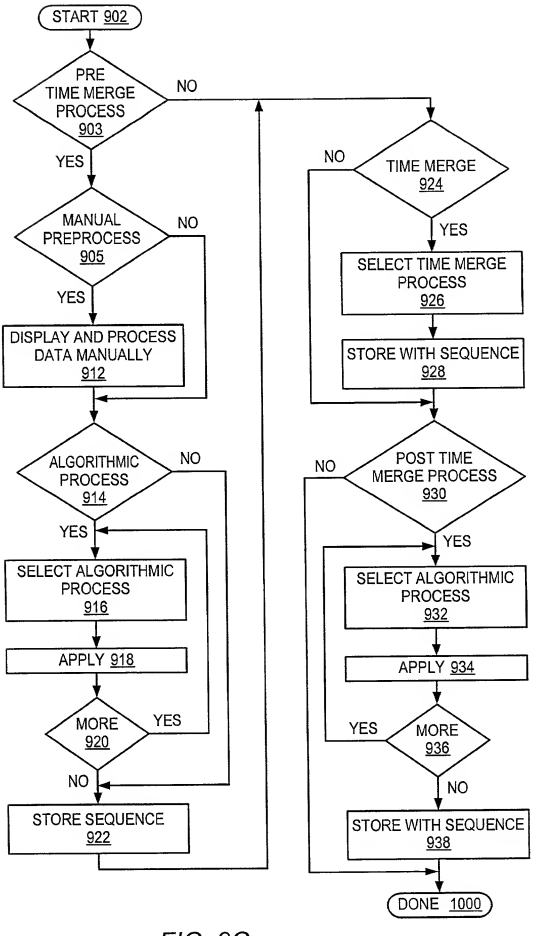


FIG. 9C

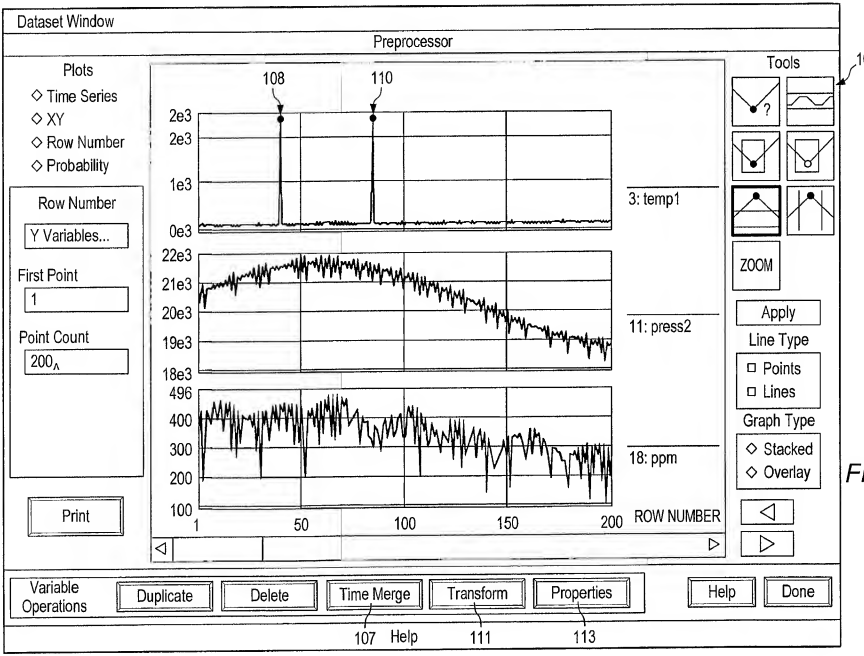

Dataset Window
Preprocessor
Plots
◇ Time Series
◇ XY
◇ Row Number
◇ Probability
Row Number
Y Variables...
First Point
1
Point Count
200
Print
108
110
2e3
2e3
1e3
0e3
22e3
21e3
20e3
19e3
18e3
496
400
300
200
100
1
50
100
150
200
ROW NUMBER
3: temp1
11: press2
18: ppm
Tools
104
ZOOM
Apply
Line Type
Points
Lines
Graph Type
Stacked
Overlay
Variable Operations
Duplicate
Delete
Time Merge
Transform
Properties
Help
Done
107
Help
111
113

FIG. 10A

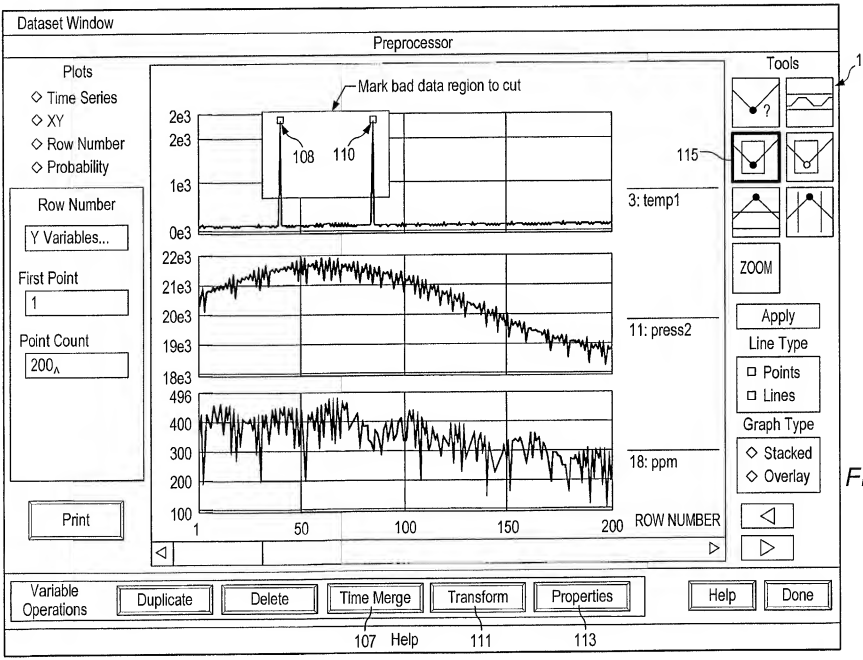

Dataset Window
Preprocessor
Plots
◇ Time Series
◇ XY
◇ Row Number
◇ Probability
Row Number
Y Variables...
First Point
1
Point Count
200
Print
Mark bad data region to cut
108
110
2e3
2e3
1e3
0e3
22e3
21e3
20e3
19e3
18e3
496
400
300
200
100
1
50
100
150
200
ROW NUMBER
3: temp1
11: press2
18: ppm
Tools
104
115
ZOOM
Apply
Line Type
Points
Lines
Graph Type
Stacked
Overlay
Variable Operations
Duplicate
Delete
TIme Merge
Transform
Properties
Help
Done
107
Help
111
113

FIG. 10B

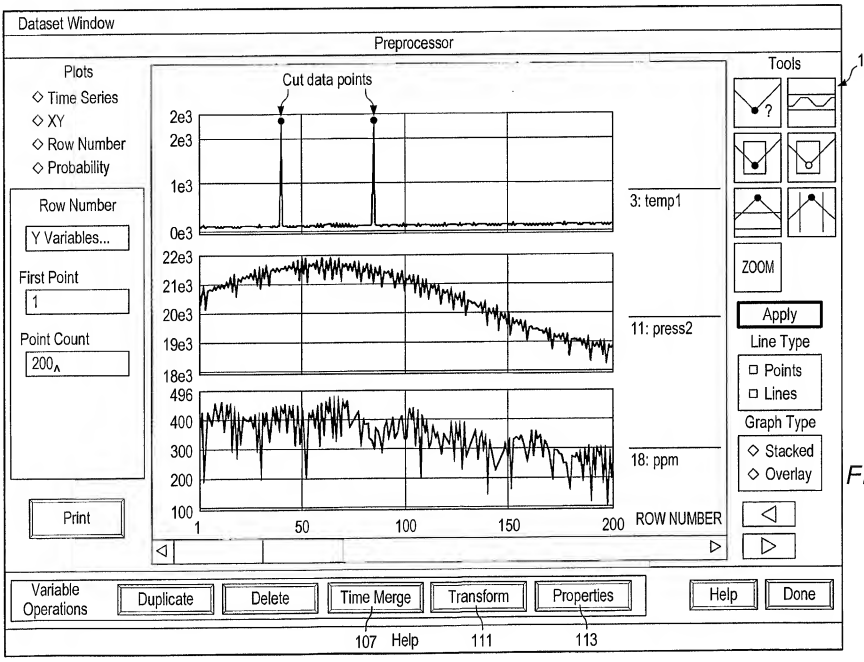

Dataset Window
Preprocessor
Plots
◇ Time Series
◇ XY
◇ Row Number
◇ Probability
Row Number
Y Variables...
First Point
1
Point Count
200
Print
Cut data points
2e3
2e3
1e3
0e3
3: temp1
22e3
21e3
20e3
19e3
18e3
11: press2
496
400
300
200
100
18: ppm
1
50
100
150
200
ROW NUMBER
Tools
104
ZOOM
Apply
Line Type
□ Points
□ Lines
Graph Type
◇ Stacked
◇ Overlay
Variable Operations
Duplicate
Delete
Time Merge
Transform
Properties
Help
Done
107
Help
111
113

FIG. 10C

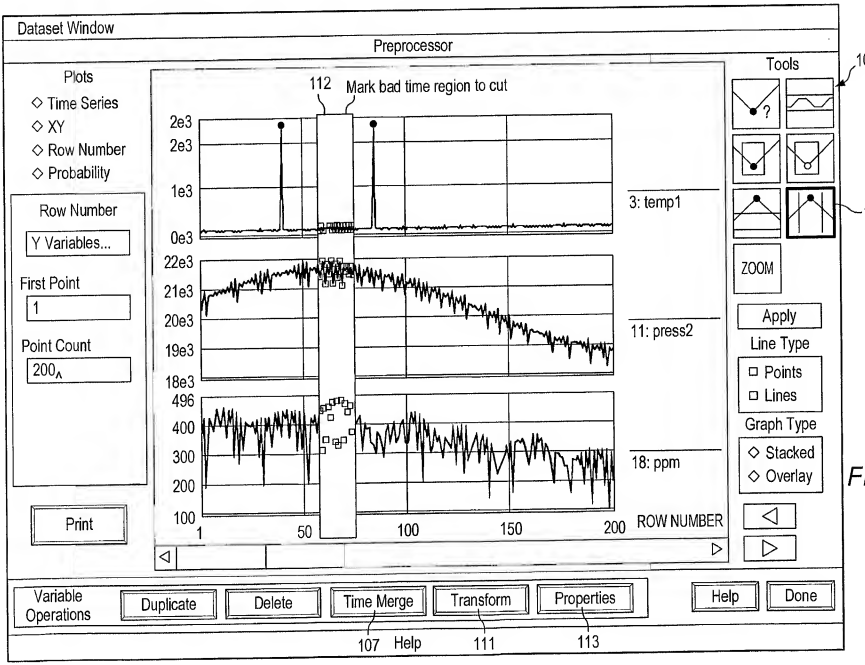

Dataset Window
Preprocessor
Plots
◇ Time Series
◇ XY
◇ Row Number
◇ Probability
Row Number
Y Variables...
First Point
1
Point Count
200
Print
112
Mark bad time region to cut
2e3
2e3
1e3
0e3
3: temp1
22e3
21e3
20e3
19e3
18e3
11: press2
496
400
300
200
100
18: ppm
1
50
100
150
200
ROW NUMBER
Tools
104
105
ZOOM
Apply
Line Type
□ Points
□ Lines
Graph Type
◇ Stacked
◇ Overlay
Variable Operations
Duplicate
Delete
Time Merge
Transform
Properties
Help
Done
107
Help
111
113

FIG. 10D

20STTO*h7STSOOT

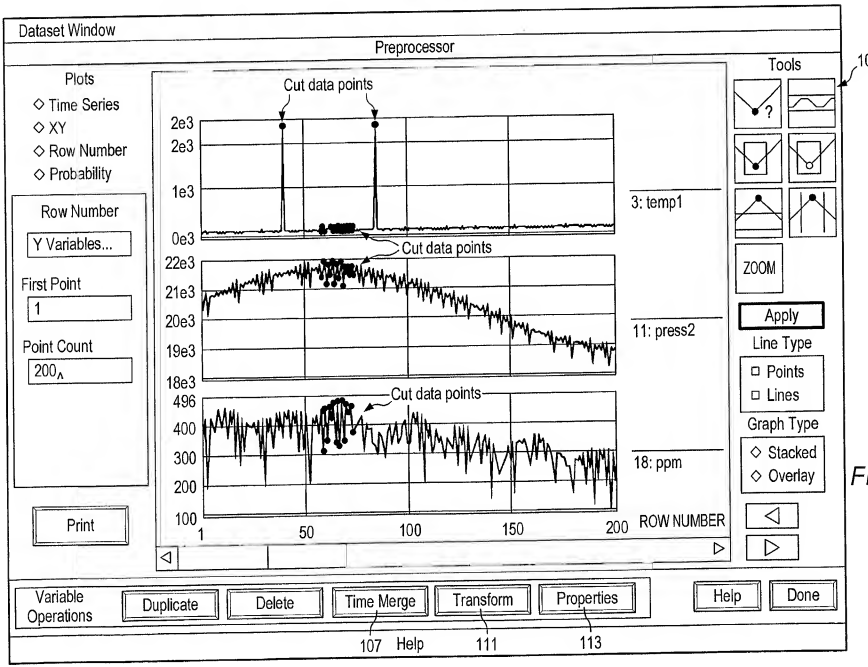


FIG. 10E

20070-1STSOF

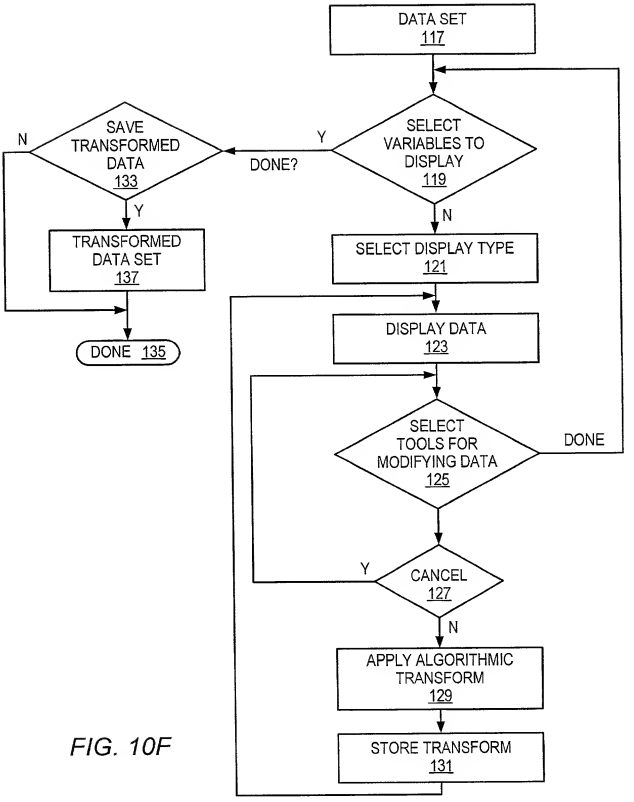


FIG. 10F

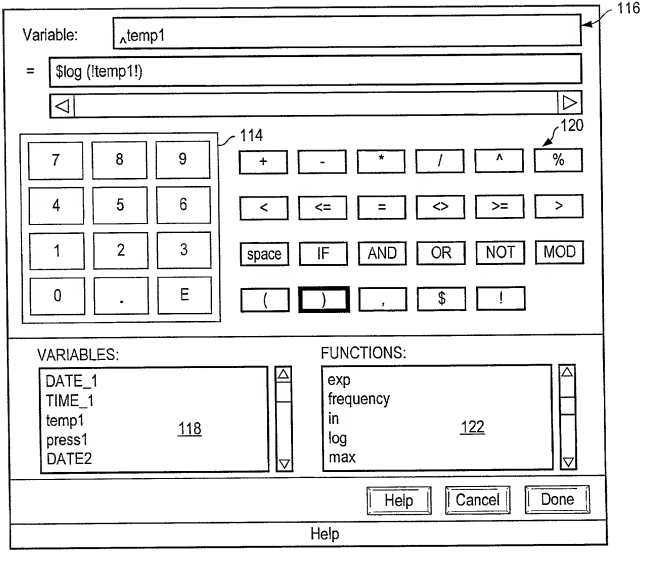

116
Variable:
^temp1
=
$log (!temp1!)
114
120
7
8
9
4
5
6
1
2
3
0
.
E
+
-
*
/
^
%
<
<=
=
<>
>=
>
space
IF
AND
OR
NOT
MOD
(
)
,
$
!
VARIABLES:
DATE_1
TIME_1
temp1
press1
DATE2
118
FUNCTIONS:
exp
frequency
in
log
max
122
Help
Cancel
Done
Help

FIG. 11

TABLE 1

Name	DATE_1	TIME_1	temp1	press1	DATE_2	TIME_2	flow1	temp2
Row	Col 1	Col 2	Col 3	Col 4	Col 5	Col 6	Col 7	Col 8
36	1/2/92	12:00:59	81.87	1552.80	1/3/92	23:00:59	1211.00	276.95
37	1/2/92	13:00:59	58.95	1489.19	1/4/92	01:00:59	1210.90	274.44
38	1/2/92	14:00:59	83.72	1558.00	1/4/92	3:00:591	1211.09	277.38
39	1/2/92	15:00:59	53.72	1474.40	1/4/92	5:01:00	1210.69	274.01

TABLE 2

Name	DATE_1	TIME_1	temp1	press1	DATE_2	TIME_2	flow1	temp2
Row	Col 1	Col 2	Col 3	Col 4	Col 5	Col 6	Col 7	Col 8
36	1/2/92	12:00:59	1.91	1552.80	1/3/92	23:00:59	1211.00	276.95
37	1/2/92	13:00:59	1.77	1489.19	1/4/92	01:00:59	1210.90	274.44
38	1/2/92	14:00:59	1.92	1558.00	1/4/92	3:00:591	1211.09	277.38
39	1/2/92	15:00:59	1.73	1474.40	1/4/92	5:01:00	1210.69	274.01

PROPERTIES 2

markcut(temp1, 1, 2068, 920.844325,160000000000000000000000.000000)
markcut(temp1, 1, 58, 73, -160000000000000000000.0000001,6000000000000000000000
$log(temp1)

TABLE 3

Name	DATE	time	temp1	press1	flow1	temp2	press2	flow2
Row		Col 1	Col 2	Col 3	Col 4	Col 5	Col 6	Col 7
36	1/2/92	12:00:00	1.87	1530.00	1211.69	274.50	2160.00	533.29
37	1/2/92	13:00:00	1.87	1530.00	1211.69	274.50	2160.00	533.29
38	1/2/92	14:00:00	1.87	1530.00	1211.69	274.50	2160.00	533.29
39	1/2/92	15:00:00	1.87	1530.00	1211.69	274.50	2160.00	533.29

PROPERTIES 3

markcut(temp1, 1, 2068, 938.633160,160000000000000000000.000000)
markcut(temp1, 57, 71, -160000000000000000000000.0000001,60000000000000000000
$log(temp1)
tmerge(temp1, time, 0, 166666666341774131 2.000000)

TABLE 4

Name	DATE	time	temp1	press1	flow1	temp2	press2	flow2
Row		Col 1	Col 2	Col 3	Col 4	Col 5	Col 6	Col 7
36	1/2/92	12:00:00	5001.87	1530.00	1211.69	274.50	2160.00	533.29
37	1/2/92	13:00:00	5001.87	1530.00	1211.69	274.50	2160.00	533.29
38	1/2/92	14:00:00	5001.87	1530.00	1211.69	274.50	2160.00	533.29
39	1/2/92	15:00:00	5001.87	1530.00	1211.69	274.50	2160.00	533.29

PROPERTIES 4

markcut(temp1, 1, 2068,938.633160,160000000000000000000.000000)
markcut(temp1, 57, 71, -160000000000000000000.0000001,60000000000000000000)
$log(temp1)
tmerge (temp1, time, 0, 166666666634177413 12.0000000)
temp1 + 5000

FIG. 12

20STTD*hZSTSOOT

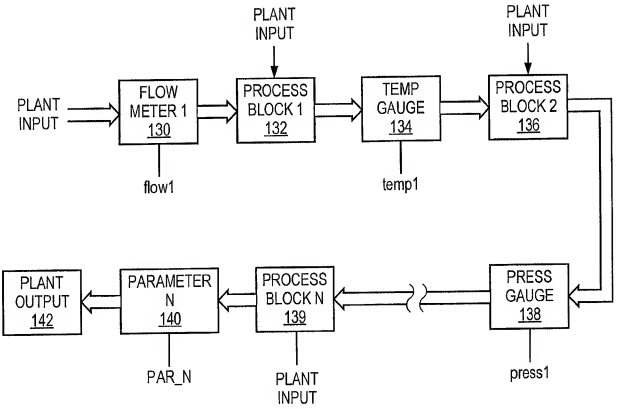


FIG. 13

20070124.0752

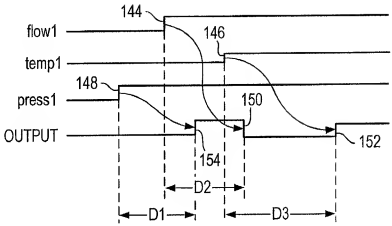


FIG. 14

20070147501

FIG. 15

20210.4/ST500T

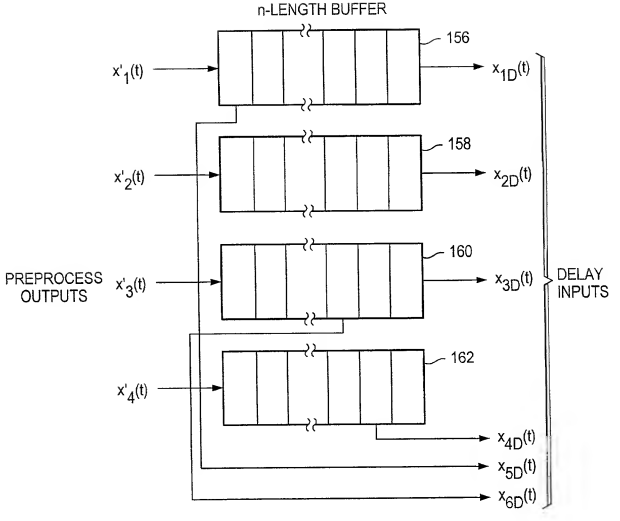


FIG. 16

DELAY SELECTION DISPLAY

TIME	TEMP1	PRESS1	FLOW-RATE1	TEMP2	PRESS2	FLOW-RATE2	TEMP3	PRESS3	FLOW-RATE3	PPM
-4.5										
-4.0	INPUT									
-3.5	INPUT	INPUT								
-3.0	INPUT	INPUT	INPUT	INPUT	INPUT					
-2.5		INPUT				INPUT				
-2.0							INPUT			
-1.5								INPUT	INPUT	
-1.0										
-0.5										OUTPUT
0.0										OUTPUT
0.5										OUTPUT
1.0										
1.5										

FIG. 17

Adobe Acrobat

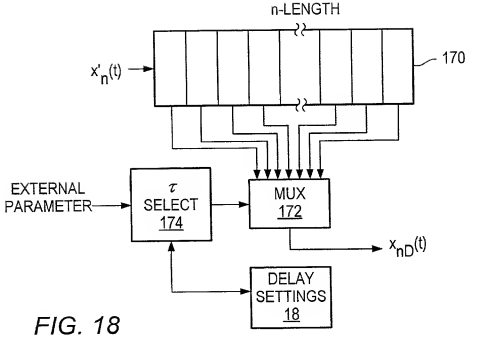


FIG. 18

20811TO 'h/ST500T

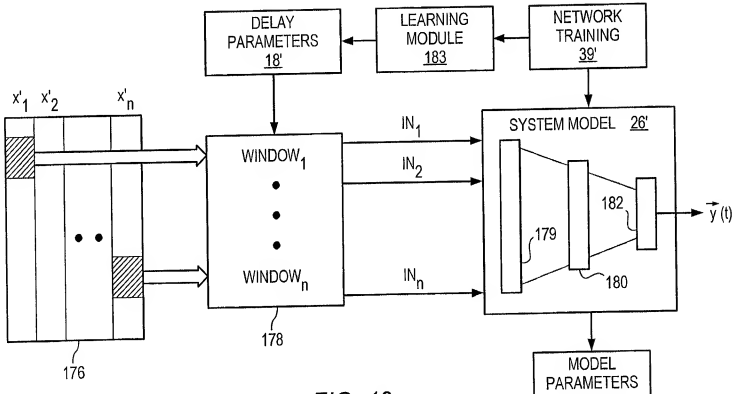


FIG. 19

20210174575001

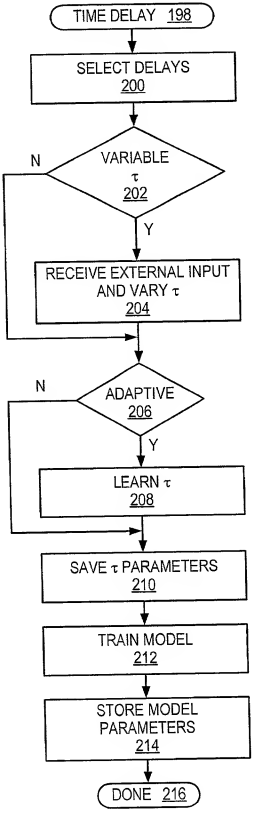


FIG. 20

2007-0-4754-01.1802

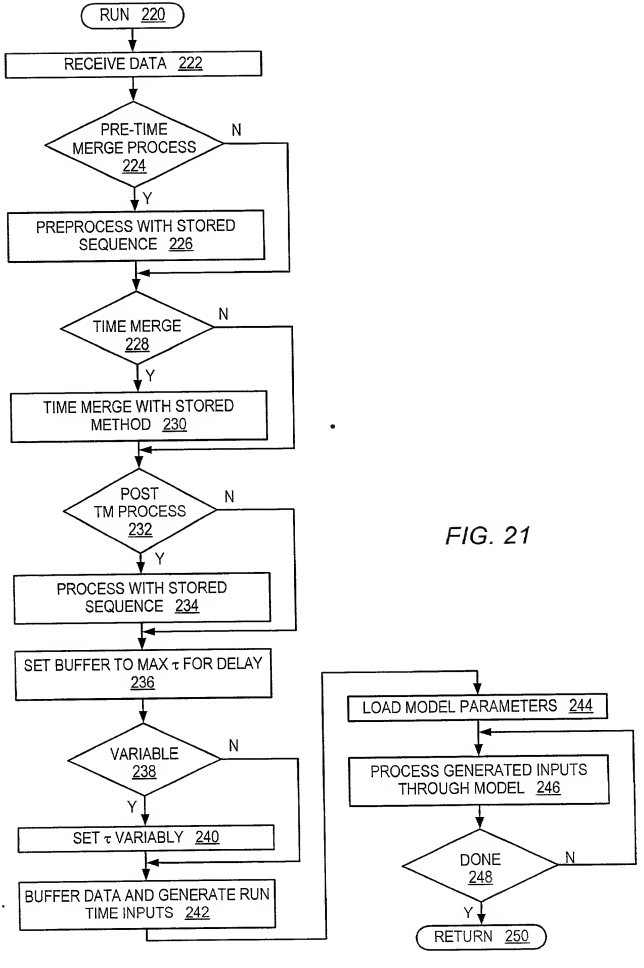


FIG. 21

20070104757001

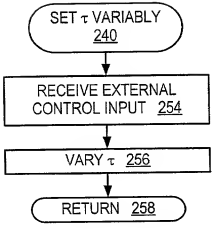


FIG. 22

EXHIBIT 2 PAGE 1 OF 1

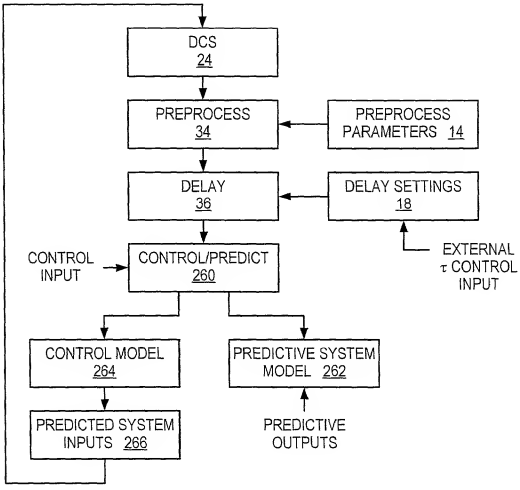


FIG. 23